Introduction

Wharton Research Data Services, or WRDS, is a web-based data management system that allows faculty and students to retrieve information from a wide variety of financial, economic, and marketing data sources.
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Access Procedures

Accessing the WRDS databases requires you to follow a specific procedure. Follow these steps:

1. Open the Business Library databases page on the Phoenix Server. You may get to this page by using the Remote Desktop Connection on your personal computer or use one of the computer workstations in the McLeod Business Library.

2. Click on the Wharton Research Data Services (WRDS) link. This will open the WRDS welcome page.

3. Enter your Mason School of Business (or College of William and Mary) e-mail address into the Enter Your E-Mail Address data field. Click on the Sign In button.

4. You will receive a message that an e-mail was sent to your e-mail address. This e-mail will have the subject line of “WRDS Day Pass.”

5. You MUST access your e-mail through the Phoenix server. If you access your e-mail on your computer’s hard drive the link included in it will not work. An exception to this is if you cut and paste the link from your e-mail into the Internet browser on Phoenix.

6. Open the e-mail from WRDS. It will have the link for your one-day pass to access the WRDS data services program.

7. Clicking on the link will open the WRDS program Home page.

Note: The WRDS access system checks to ensure your e-mail address is from the School/College AND the IP address of the computer accessing the program is from the Phoenix server.

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Home Page

The opening screen for the WRDS databases is the *Home* page for the program.

The *Home* page is the portal by which you may access the various databases included in the Mason School of Business subscription to this service. The datasets are grouped into the Current Subscriptions column (see page 5) on the left side of the page.

The datasets in the Not Subscribed (see page 11) section of the column on the left side of the page are listed for informational purposes only. You may access the datasets and check out the data that is available but you will not be able to obtain results from the forms.

The WRDS *Home* page has the datasets in the column on the left, a row of tabs across the top of the page in the header (see page 14), a **Select a Data Set** box (see page 9), a **Search WRDS** box (see page 10) and some informational links in the main section of the page (see page 13).
# Current Subscriptions

The WRDS *Home* page has a list of datasets that you may use for research in the column on the left side of the page. The datasets that are available are in the first section, the Current Subscriptions section.

This section includes the datasets that are part of the School of Business subscription and others that included with the WRDS service.

These datasets are: **AuditAnalytics, Bank Regulatory, Blockholders, CBOE Indexes, CISDM Hedge Fund, COMPUSTAT, CRSP, CUSIP, DMEF Academic Data, Dow Jones, FDIC, Fama French & Liquidity Factors, Federal Reserve Bank, IBES, PHLX, Penn World Tables, SEC Order Execution, TRACE, and Thomson Reuters**.

Other datasets may be included in this list from time to time if there is a trial period in progress (i.e., Zacks in the list pictured).

These datasets are described briefly below:

- **Audit Analytics** provides detailed audit information on more than 1,200 accounting firms and 15,000 publicly registered companies. This dataset provides information on what firm is auditing which company and how much it costs.

- The **Bank Regulatory** databases provide accounting data for Bank Holding Companies, Commercial Banks, Savings Banks, and Savings and Loans Institutions. The source of the data comes from the required regulatory forms filed for supervising purposes.

- The **Blockholders** dataset contains standardized data for blockholders of 1,913 companies. The data was cleaned of biases and mistakes usually observed in the standard source for this particular type of data. Blockholders' data is reported by firms for the period 1996-2001.

- The Chicago Board Options Exchange (**CBOE**) Volatility Index (VIX) is a key measure of market expectations of near-term volatility conveyed by S&P 500 stock index option prices. The VIX measures the market’s expectation of 30-day volatility. The VIX is based on S&P 500 index option prices and incorporates information from the volatility skew by using a wider range of strike prices rather than just at-the-money series.

- **CISDM Hedge Fund** (Center for International Securities and Derivatives Markets) provides data on Hedge Funds, active CTAs and CPOs.

- **COMPUSTAT**

  - **Global** (from Standard and Poor’s) provides data covering publicly traded companies in more than 80 countries, representing more than 90% of the world’s market capitalization, including coverage of more than 96% of European market capitalization and 88% of Asian market capitalization. S&P’s Emerging Markets Data Base (**EMDB**) covers 53 markets and more than 2,200 stocks in developing countries.

  - **North America** (from Standard and Poor’s) provides more than 300 annual and 100 quarterly Income Statement, Balance Sheet, Statement of Cash Flows, and supplemental data items on more than 24,000 publicly traded companies.
The Center for Research in Security Prices (CRSP) maintains the most comprehensive collection of security price, return, and volume data for the NYSE, AMEX, and NASDAQ stock markets. Additional CRSP files provide stock indices, beta- and cap-based portfolio, Treasury bond and risk-free rates, and mutual fund databases.

The Committee on Uniform Security Identification Procedures (CUSIP) Service Bureau, which is operated by Standard & Poor's for the American Bankers Association, exists for the primary purpose of uniquely identifying issuers and issues of financial instruments within a standard framework, and disseminating this data to the financial marketplace via various media. The CUSIP Master Files provide CUSIP numbers, standardized descriptions and additional data attributes for over 5 million corporate, municipal and government securities offered in North America.

Four individual data sets, each containing customer buying history for about 100,000 customers of nationally known catalog and non-profit databases marketing businesses are available through Direct Marketing Educational Foundation (DMEF Academic Data) to approved academic researchers for use within academic situations.

The Dow Jones dataset selection covers the Dow Jones Averages and the Dow Jones Total Return Indexes. The Dow Jones Averages are comprised of the Daily and Monthly Dow Jones Composite, as well as the Dow Jones Industrial, the Dow Jones Transportation, the Dow Jones Utility, the Dow 10, and the Dow 5. The Total Return Indexes account for reinvested dividends, and, like all Dow Jones Total Market Indexes, cover 95% of the underlying market.

The Federal Deposit Insurance Corporation (FDIC) dataset contains financial data and history of all entities filing the Report of Condition and Income (Call Report) and some savings institutions filing the Office of Thrift Supervision (OTS) Thrift Financial Report (TFR). These entities include commercial banks, savings banks, or savings and loans.

The Fama French & Liquidity Factors selection provides web queries for the Fama-French factors and portfolios, momentum factors, as well as Pastor-Stambaugh Liquidity Factors.

The Federal Reserve Bank contains three databases collected from Federal Reserve Banks. Two of them (Foreign Exchanges and Interest Rates) come from reports published for the Federal Reserve Board (H.10 and H.15 reports). The other one contains the Coincident State Indexes from the Federal Reserve Bank of Philadelphia.

The Institutional Brokers Estimates System (IBES) provides consensus and detail forecasts from security analysts, including earnings per share, revenue, cash flow, long-term growth projections, and stock recommendations.

The Philadelphia Stock Exchange’s (PHLX) United Currency Options Market (UCOM) offers choice of expiration data, strike (exercise) price, premium payment and any combination of 10 currencies currently available for a total of 100 possible currency pairs.

The Penn World Tables provides national income accounts-type of variables converted to international prices. The homogenization of national accounts to a common numeraire allows valid comparisons of income among countries. Data comes from Alan Heston, Robert Summers and Bettina Aten, Penn World Table Version 6.1, Center for International Comparisons at the University of Pennsylvania, October 2002.
The **SEC Order Execution** selection provides information resulting from Rule 11Ac1-5 that requires market centers that trade national market system securities must make monthly, electronic disclosures of basic information concerning their quality of executions on a stock-by-stock basis.

The Trade Reporting and Compliance Engine (**TRACE**) consolidates transaction data for all eligible corporate bonds – investment grade, high yield and convertible debt. As a result, individual investors and market professionals can access information on 100% of over-the-counter (OTC) activity representing more than 99% of total U.S. corporate bond market activity in more than 30,000 securities.

The **Thomson Reuters** databases cover Mutual Funds Holdings (CDA/Spectrum s12) and 13f Institutional Holdings (CDA/Spectrum s34). The insiders filings database contains transaction and holdings information filed with the SEC.

### Dataset Page

Clicking on a dataset name will open the **Home** page for that dataset. Some datasets have a long list of datasets included in the overall dataset while others may only have one dataset. The **COMPUSTAT** dataset is pictured. All the datasets operate in a similar manner. The dataset **Home** page features a list of datasets that are available and a description of the product.

In this dataset, clicking on a name in the various sections will open that dataset to reveal more datasets under it.

Clicking on one of the items in the list on the left side of the page will open the search function for that dataset. The **Fundamentals Annual** (in the North America dataset) selection is pictured. Each page is a long scrolling page. There is a range of data entry boxes and criteria selections to set up a search.

Each selection from the menu on the dataset page will have its own set of data entry boxes and criteria selections.

In order to download the results into Excel you should select **XML Excel Spreadsheet (*.xls)** from the menu in the **Output Format** section near the bottom of the page.

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Once you have made your selections, click on the **Submit Query** button near the bottom of the page.

Also located near the bottom of the page are two functions: an e-mail function that will send you an e-mail when the query has been processed, and a function that allows you to save the query.

To use the e-mail function, enter your e-mail address into the data field.

To save your query, click on the **Save This Query to MyWRDS** check box and enter a name for the query into the data field. See page 19 for information about MyWRDS.

Once you have submitted your request, it is processed and a **Data Request Summary** page is displayed in a new window. This page includes a table with your criteria selections listed. Once the query is completed, a message will appear near the bottom of the page with a link to the report.

Clicking on the link will open the **File Download** window where you are given the option to open or save the file. Clicking on the **Save** button allows you to select where to save the file and the opportunity to name it.

Clicking on the **Open** button will open the report. The report may be displayed in different formats depending on the selections you make during criteria selection. The results set up for Excel format is pictured.
Select a Dataset

The top of the dataset column on the Home page has the Select a Dataset function. The Select an Available Dataset box has a drop-down menu with a list of all the datasets included in the WRDS data service. This includes the datasets that are not part of the current subscription and will only allow you to view the search forms without actually performing a search.

Click on the dataset on the list and the Dataset page for that dataset will be opened. All the datasets operate in a similar manner. Please go to page 7 for information on the Dataset page. The COMPUSTAT dataset is described.

Below the Select an Available Dataset data field is the Help Me Find My Data link. Clicking on this link will open a table of contents style of listing. You may open or close the various sectors of the list by clicking on the plus and minus icons.

This list of data items is the same list that is on the WRDS Home page in the main section of the page.

Each section has a list of topics below it. Each topic describes a style of data that is included in the datasets.

Once you have located an item on the list that has the type of data you are seeking click on the item and a Dataset page that has that type of data included in it will be opened. All the datasets operate in a similar manner. Please go to page 7 for information on the Dataset page. The COMPUSTAT dataset is described.
Search WRDS

The bottom of the dataset column on the Home page and the database header have the Search WRDS search box. You may use this feature to search all WRDS datasets for specific data elements.

Enter your search term(s) into the Search WRDS data field. You may use Boolean operators and quotes to make your search more precise.

Click on the Search button to begin the search. This will open a WRDS Search page. Your search term will already be entered into the search box. Click on the Search button on this page to continue your search.

The results of your search will be displayed on the WRDS Search page in the area below the search function.

There are six tabs on this page: Knowledge Base, Support, Research, Query Forms, News and Community. The Knowledge Base tab is opened when the results are first displayed.

Each tab will start a new search for items that match your search term in the topic selected. The Knowledge Base tab is pictured. All the tabs display similar lists.

The title of each item in the list is a link to the item.

The Need Help link will open a small window with some tips on how to improve your search.
Not Subscribed

The Not Subscribed section of the list of datasets on the WRDS Home page includes those datasets that are available from the WRDS service but are not included in the current subscription.

You may use these dataset links to open the dataset pages and see what information is included in each dataset. You may open the various dataset forms but you will not get any search results.

These datasets are: Bureau van Dijk, CENTRIS, CSMAR, ComScore, Corporate Library, Eventus, Factset, GSIOline, GovPX, Hedge Fund Research (HFR), IHS Global Insight, IRI, ISSM, KLD, LSPD, MFLinks, Mergent FISD, Nastraq, Option Metrics, PACAP, RentBureau, Risk Metrics, TAQ, WRDS SEC Analytics Suit, and Zacks.

Other datasets may be included in this list from time to time if there is a trial period in progress.

These datasets are described briefly below:

**Bureau van Dijk** Electronic Publishing provides an extensive suite of financial databases. Available at this web site are: 1) AMADEUS, which includes more than 5,000,000 European private and public companies, 2) Bankscope, which has financial data on 13,000 banks worldwide, and 3) OSIRIS with financial data on more than 38,000 globally listed companies.

**CENTRIS** is the only national database that continuously collects household information on the choice and use of voice, video, data and electronic products and services. CENTRIS tracks over 75 communications, entertainment and technology areas on a daily basis, at the household level, where it all converges.

The China Stock Market & Accounting Research (CSMAR) database is designed and developed by GTA Information Technology – one of the major providers of China data. The CSMAR databases offer data on the China stock markets and the financial statements of China’s listed companies.

The **ComScore** panelist-level database captures detailed browsing and buying behavior by one hundred thousand Internet users across the United States.

The **Corporate Library** is a source of comprehensive objective corporate governance, compensation, and critical company information. It contains information on over 4,000 U.S. companies and over 40,000 corporate executives and directors.

**Eventus** Software performs event studies that compute abnormal returns for specific corporate actions or events using data directly from the CRSP stock database.

**Factset** is a comprehensive global database providing users with a firm foundation for financial analysis. It has data on more than 43,000 companies and history back to 1980. FactSet has added more than 2,000 new dually listed securities and adding nearly 6,000 new securities to the database on a net basis.
1) The Mergers and Acquisitions (M&A) Database from GSIOnline covers change in control transactions, as well as significant acquisitions or sale of assets, equity, subsidiaries or business divisions. 2) The Registrations & Prospectus (R&P) Database from GSIOnline covers registration statements (and associated Prospectus if any) by companies making offerings of securities to the public.

The GovPX Treasury Benchmark prices are for all active and off-the-run Treasury issues. Data includes high, low, open, work-ups, volume, and more.

Hedge Fund Research (HFR) includes fund-level detail on historical performance and assets, as well as firm characteristics on both the broadest and most influential hedge fund managers.

IHS Global Insight offers the most comprehensive economic coverage of countries, regions and industries available from any source. Their collection of U.S. and international financial, economic and industry data is complimented by more than 225 analysts, researchers and economists whose expertise covers over 120 industries and 200 countries.

Information Resources, Inc. (IRI) is the leader in providing point-of-sale information from more than 11,300 grocery stores, as well as some 7,500 drug stores.

The Institute for the Study of Securities Markets (ISSM) database contains tick-by-tick data covering the NYSE and AMEX between 1983 and 1992 and NASDAQ between 1987 and 1992. Each year of data is divided into two files, one for trades and one for quotes.

KLD created the Domini 400 SocialSM Index (DS 400 Index), a socially screened, capitalization-weighted index of 400 common stocks. The DS 400 is recognized as the first social investment benchmark. KLD also provides social ratings for all companies in the DS 400.

The London Share Price Database (LSPD) is a unique, comprehensive database of UK stock returns covering more than 9,000 UK shares from 1955 to date. It is a resource for both academic researchers and investment practitioners. The LSPD provides a record of total returns to investors, incorporating dividends and capital changes, and includes companies whether they have survived or died. This ensures that research, back testing and performance evaluation focuses on total shareholder return, and is untainted by survivor bias.

Mutual Fund Links (MFLINKS) tables provides a reliable means to join CRSP Mutual Fund (MFDB) data that covers mutual fund performance, expenses, and related information to equity holdings data in the TEN/CDA S12 datasets. Using MFLINKS allows a researcher to gather detail on holdings for either particular funds or fund families and groups of funds at specific points in time.

The Mergent Fixed Income Securities Database (Mergent FISD) for academia is considered the most comprehensive collection of publicly-offered U.S. corporate bond data. The NASdaq TRade And Quote database (Nastraq) database provides intraday trades and quotes for all NASDAQ stocks.

Ivy DB OptionMetrics is a comprehensive source of historical price and implied volatility data for the U.S. equity and index options markets. Encompassing more than six years of data, Ivy DB OptionMetrics contains historical prices of options and their associated underlying instruments, correctly calculated implied volatilities, and option sensitivities.
The PACAP Research Center creates, maintains, and distributes comprehensive, computerized databases that track capital markets data for eight Pacific-Basin countries on a continuous and systematic basis. PACAP Databases contain extensive information on all listed companies from each country’s major stock exchange including: daily security prices and returns, capital distributions, financial statements, market indices and returns, and economic statistics.

RentBureau is the nation’s largest and most widely used consumer reporting agency designed specifically for the multifamily industry, enabling the industry to report resident’s rental payment history directly from property management software.

RiskMetrics (through ISS Governance Services) is a leader in corporate governance data. They deliver to WRDS two datasets identified as RiskMetrics Group Historical Governance and Historical Directors data.

The Trade and Quote (TAQ) database contains intraday transactions data (trades and quotes) for all securities listed on the New York Stock Exchange (NYSE) and American Stock Exchange (AMEX), as well as NASDAQ National Market System (NMS) and Small Cap issues.

WRDS SEC Analytics Suit simplifies research by allowing you to quickly and easily develop tailored datasets from all SEC filings, parsing millions of regulatory reports based on your custom criteria. WRDS SEC Analytics Suite is positioned for broad business usage from due diligence and forensic accounting to disclosure research and investment management.

Zacks Investment Research, based in Chicago, Ill., has been a leading provider of research, market data, and quantitative models to institutional investment management firms in the U.S. and Canada for more than 30 years. Recognized for quality, consistency and reliability, Zacks provides institutional and individual investors with the analytical tools and financial information necessary to the success of their investment process.

Home Page Links

The WRDS Home page has several sections of links that will assist you in the use of the WRDS program.

Latest WRDS News

The Latest WRDS News section of the Home page has a small listing of articles or information sheets concerning WRDS. Each listing includes the title of the item and a date it was released. The title of each listing is a link to the full text article that is opened in the News tab. See page 21 for information about the News tab.

Financial Headlines from Moody’s

This section lists articles concerning Moody’s. Each title listing is a link that will open a new window. The full article will be displayed in the new window.
What Type of Data Are You Looking For?

The What Type of Data Are You Looking For? Section consists of an expandable listing of data items that may be found in the datasets included in the WRDS service. The various lines of items may be expanded or contracted by clicking on the plus or minus icons by each item or you may click on the item. Keep expanding the lines until you come to a listing without the plus or minus icons.

These are data items that you may select. Once you find a data item that you are interested in click on it. This will open the Dataset page for that item. See page 7 for information about the Dataset page.

This listing includes dataset items from all the datasets. Selecting an item will open the dataset so that you do not have to peruse all the datasets looking for one that will give you the data you need.

Header Tabs

The WRDS Header has eight tabs: Home, Research, Support, E-Learning, Community, News, About, and MyWRDS.

Home Tab

Clicking on the Home tab will return you to the opening page for the WRDS program.

Research Tab

The Research tab opens with the WRDS Research page displayed. The column on the left side of the page has links grouped into two sections: Research and WRDS Tools.

Research

The Research section has links that duplicate the headings in the main part of the WRDS Research page. Each link will open the same page that the View link below each section of the page opens.

Each part of the page has a brief description of the information contained in that section. Below each of the sections is a link (e.g., View Research Applications) that will open a page with detailed information about the various research methodologies included in that heading.
Research Applications

The Research Applications selection opens the WRDS Research Applications page. This page is divided into eight sections: Portfolio Construction and Market Anomalies, Event Studies, Linking Databases, Risk and Evaluation Measures, Institutional Ownership Research, Microstructure Research, Risk Factor and Industry Benchmarks, and Programming Examples and Other Topics.

Each section has numerous subjects, each of which has a link to the source article. The Portfolios on Gompers-Ishii-Metrick Governance Index is pictured.

Research Macros

The Research Macros selection will open the WRDS Research Macros page. This page lists the macros used in the WRDS datasets. The List of WRDS Research Macros box has a list of the macros. Clicking on a macro name will scroll the page to that macro entry.

The two Utilities macros are pictured.

Research Guides

The Research Guides selection will open the Research Guides page. This page lists the various guides that are available in the WRDS program. Clicking on the tile of a guide will open that guide’s page.
WRDS Data Overviews

The **WRDS Data Overviews** selection will open the *Data Manuals and Overviews* page in the **Support** tab. This page has numerous links to pages for all the datasets. Each dataset page has links to manuals or other information about the dataset.

Sample Programs

The **Sample Programs** selection will open the **Sample Programs** page. This page has links to samples of how to extract data from many of the datasets in WRDS. Click on a link to the dataset in which you are interested. This will open a page with a list of samples. Clicking on a link on this page will open the sample program you may use to extract the data.

SAS Notes

The **SAS Notes** selection will open the **SAS Notes** page. The **SAS (originally Statistics Analysis System) Notes** page includes a list of SAS research notes. The notes are listed in a box in the middle of the page. Clicking on a listed note will scroll the page to that note. Each note will describe the procedure to use to utilize the function.

WRDS Tools


Each of these links will open a page with the selected tool.

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**Sample Programs**

WRDS Sample Programs provide sample examples of data-extraction and cover only the basic aspects of data processing. Researchers can use these sample programs as a starting point to retrieve sample of interest using WRDS data sources.

- CRSP, Compustat [Legacy FTP], OptionMetrics, TAQ
- Thomson Reuters, IBES, FirstCall, RiskMetrics, MFLinks
- FISD, Trace, S&P Credit Ratings, Global Insight, FDIC
- CUSIP, CSMAR, Eventus, ComScore, Dow Jones, PHILX

**SAS Notes**

List of SAS Research Notes

1. Requesting Extra Memory to run Large Eventus Program
2. Absolute and Relative Paths instead of Implicit directory
3. Reporting Number of Observations in a Data Set
4. Collapsing overlapping date ranges
5. Combing functions using PROC SQL
6. Modifying PROC FILE more efficiently
7. Reading in ALL SAS Excel files
8. Equalizing output for non-SAS files
9. How long did a part of SAS program take?
10. How SAS innodb Datasets and Geographic Calendar
11. Number of trading days between two SAS dates
12. Create a list of all Variables in a SAS Dataset
13. Replacing a variable in a BY statement
14. Creating arithmetic expressions in Data Files read by SAS
15. Print and Last Date of Fiscal Years: Using INPUT function
16. Handling date data using PROC SQL
17. Leads and Lags Returns using PROC EUNAME
18. Compounding Returns using PROC EUNAME
19. Basic PROC SQL
20. Interpolations and Binary Functions using PROC SQLSEND

**WRDS Tools**

- Variable Search
- Variable Browser
- Company Code Lookup
- Web Query & Database Tools
- Eventus Request File Validator
- SASTemp Directory Usage
- Option Value Calculator
Variable Search

The Variable Search selection will open the Variable Search page. You may use this feature to search the WRDS program for datasets that match your search criteria. This page has a long list of datasets that you may select (or deselect) for your search. This list includes all datasets in WRDS, including the datasets that are not included in the current subscription. The results will also include these datasets (even if you cannot use them) unless you deselect those datasets that are not part of the subscription.

The bottom of the page has the Search For data field where you enter your search term. Click on the Search Selected Libraries button to begin your search.

The results of your search are displayed at the top of the page (the search feature is at the bottom of the page). The results are displayed in a table that identifies the location of the datasets. The links in this table (in the Library & File column) open a list of datasets for the database (i.e., COMPUSTAT) the selected dataset is a part of.

In order to go to the dataset listed in the results table you must write down the location and go to that dataset manually.

Variable Browser

The Variable Browser selection will open the Dataset List page. This page lists all the datasets in the WRDS program (whether they are included in the subscription or not) in a table format. You may browse through this list to see what data elements each dataset contains.

A dataset is opened by clicking on the dataset name in the table. This will open the Dataset List page for that particular dataset. The list may be short (one dataset) or many depending on how many data elements are included in each dataset.
The Dataset List: COMPUSTAT (COMP) page is pictured. The dataset elements are listed in a table. Each element name is a link to a table displaying all the components that make up the data element.

There are no links to the Dataset page so you must make note of the datasets you want to use and go to the page manually.

Company Code Lookup

The Company Code Lookup selection will open the Company Code Lookup window. This window has a search function and prompts you to start a search.

Enter a term into the search box and click on the search button (Starts With, Contains or Is Exactly).

The results are listed in a table below the search feature. The Vendor Name column is the name of the dataset that contains data for the item discovered in your search.

Select the items you want from the list and select an identifier from the list below the table. You may only select one identifier.

Click on the Add Codes to List button to create a list at the bottom of the page. Once you have created a list you may download it as text.

Web Query and Dataset Tools

The Web Query and Dataset Tools selection will open the Web Query and Dataset Tools page.

This page has links to search functions. Each of the tools listed are links to the Dataset page for that particular dataset. Clicking on one of these tools will open the Dataset page. See page 7 for information about the Dataset page.

Please note that most of the tools in the CRSP group are not included in the current subscription.

The System Tools section has one selection: Current SASTemp Directory Usage. This is a tool set up for programmers. It opens a table showing the capacities of the various disk drives that programmers may use.
Eventus Request File Validator

The Eventus Request File Validator selection will open the Eventus File Validation Tool page. This tool will convert the dates in an existing file to the Eventus format.

Enter the location of your file into the data field or browse for it using the Browse button.

Click on the Validate File button to begin the process.

SASTemp Directory Usage

The SASTemp Directory Usage selection will open the SASTemp Directory Usage page. This page is set up for programmers. It opens a table showing the capacities of the various disk drives that programmers may use.

Option Value Calculator

The Option Value Calculator selection will open the Option Value Calculator page. This page has a series of boxes in which you enter terms and data. There is also an explanation of the pricing model below the data fields.

Enter data into the data fields and click on the Calculate button.

The results of your calculation will be displayed in a table below the Calculate button.
Support Tab

The **Support** tab opens with the *Support* page displayed. This page has a variety of helpful links.

The column on the left side of the page has links to vendor manuals for COMPUSTAT, CRSP and IBES. There are also links to sample programs and dataset lists.

There is also a section with links that provide help from WRDS.

The **WRDS Knowledgebase** link opens a page with Frequently Asked Questions.

The **Data Manuals and Overviews** link will open the *Data Manuals and Overviews* page. This page has numerous links to pages for all the datasets. Each dataset page has links to manuals or other information about the dataset.

The **Ask WRDS Support** link will open a page with an e-mail form that you may use to contact WRDS support.

The main part of the *Support* page has links to a variety of help features. The links are grouped into sections: Using WRDS, Data Contents, and Research and Additional Support.

E-Learning Tab

The **E-Learning** tab opens with the *WRDS E-Learning* home page displayed. This page lists a variety of training sessions that are available. Registering and all other functions are the responsibility of the patron. The Business Library does not provide this service.

The column on the left has selections for **Course Materials** and **E-Learning FAQs**. Each of these selections will open a page with more information about the WRDS E-Training features.
Community Tab

The Community tab opens the **Welcome to WRDS Community** page. This page has a link to create an account.

There are links on the column on the left to some features on the News tab. See below for information about these selections.

News Tab

The News tab opens with the **WRDS News Home** page displayed. The Home page lists all the latest WRDS news and financial headlines from Moody’s. Clicking on a news item title will open that item. Each item may have an article or a link to a training session or other online activity. Registering and all other functions are the responsibility of the patron. The Business Library does not provide this service.

The column on the left also has selections for Newsletters, Data Updates, and System News.

The Newsletters selection opens a page with links to issues of the WRDS newsletter. Each link will open a copy of a newsletter in PDF format in a new window.

The Data Updates selection will open a page with a list of the updates that have been made to the various datasets in WRDS.

System News opens a page with any news or release notes concerning the WRDS system.

About Tab

The About tab opens a page with information about the WRDS program. The column on the left has links to more information: What is WRDS?, WRDS FAQs, Subscribers, Map of Subscribers, WRDS Account Types, WRDS 508 Compliance, WRDS Demo, and more.
MyWRDS Tab

The MyWRDS tab opens with the MyWRDS Home page displayed. This page gives you general account information for the current subscription.

The column on the left has selections for: Currently Running Queries, Saved Queries & Codes, My Recent Queries, Products, Preferences, Terms of Use, Change My Password, and Change Institution.

Each of these selections will open a page with information pertinent to the selection topic. Of particular interest are the Currently Running Queries, Saved Queries & Codes, and My Recent Queries selections. Each of these will give you information about any queries you are working with.

The various Datasets pages have selections that allow you to save the code and/or the query you create. These may be viewed on the MyWRDS tab Saved Queries & Codes page. This includes all users, not just the current session. The Queries on this page may be opened by clicking on the Rerun link.

The My Recent Queries selection will display a table of all recent queries. This includes all users, not just the current session.